

IN THE CLAIMS

The claims have been amended as follows:

I claim:

- 5 1. (Amended) A method for processing a digitalized image with picture
elements that contain an encoding information, comprising the steps of:
dividing the image is at least partially into image blocks;
subdividing an appertaining image block respectively into at least two
appertaining image sub-blocks;
10 implementing processing of the image such that a first value and a second value
and a third value are respectively allocated to at least one image sub-block,
the first value and the second value describe the relative position of the
appertaining image block with respect to the image and the third value
describes the relative position of the appertaining image sub-block with
respect to the appertaining image block.
- 15 2. (Amended) A method according to claim 1, wherein said step of
subdividing provides that the appertaining image block is subdivided into a
plurality of appertaining image sub-blocks.
- 20 3. (Amended) A method according to claim 1, wherein said step of
implementing provides that the first value and the second value and the third
value are respectively allocated to each appertaining image sub-block.
4. (Amended) A method according to claim 1, wherein the image blocks
are arranged in columns and rows.
5. (Amended) A method according to claim 29, wherein a first value of the
appertaining image sub-block is the row number of the appertaining image block

and a second value of the appertaining image sub-block is the column number of the appertaining image block.

6. (Amended) A method according to claim 1, wherein the appertaining image sub-blocks exhibit a different shape than the appertaining image block.

5 7. (Amended) A method according to claim 1, wherein the image sub-blocks are of a triangular shape.

8. (Amended) A method according to claim 7, wherein the triangular shape includes a right angle.

10 9. (Amended) A method according to claim 1, further comprising the step of:
modifying the appertaining image sub-blocks such that the respective position of an appertaining image sub-block with respect to the appertaining image block is respectively identical.

15 10. (Amended) A method according to claim 1, further comprising the step of:
utilizing the steps for encoding of the image.

20 11. (Amended) A method according to claim 10, further comprising the steps of:
encoding the image sub-blocks upon employment of the encoding information with a shape-adaptive transformation encoding.

12. (Amended) A method according to claim 11, wherein a shape-adaptive

Discrete Cosine Transformation is utilized for the encoding.

13. (Amended) A method according to claim 12, wherein a Shape-Adaptive Discrete Cosine Transformation is utilized for the encoding.

14. (Amended) A method according to claim 13, wherein a Triangle-Adaptive Discrete Cosine Transformation is utilized for the encoding.

15. (Amended) A method according to claim 1, wherein the steps are utilized in the framework of a decoding of the image.

16. (Amended) A method according to claim 15, wherein an inverse shape-adaptive Discrete Cosine Transformation is utilized for the decoding.

17. (Amended) A method according to claim 16, wherein an inverse Shape-Adaptive Discrete Cosine Transformation is utilized for the decoding.

18. (Amended) A method according to claim 17, wherein an inverse Triangle-Adaptive Discrete Cosine Transformation is utilized for the decoding.

19. (Amended) A method according to claim 1, wherein the image at least partly includes triangular structure maps.

20. (Amended) An arrangement for processing a digitalized image with picture elements that contain an encoding information, comprising:
a processor that is configured such that the following method steps can be implemented:

the image is at least partially divided into image blocks;

an appertaining image block is respectively subdivided into at least two
appertaining image sub-blocks;

the processing of the image is implemented such that a first value and a second
value and a third value are respectively allocated to at least one image sub-block,
5 the first value and the second value describe the relative position of the
appertaining image block with respect to the image and the third value describes
the relative position of the appertaining image sub-block with respect to the
appertaining image block.

21. (Amended) An arrangement according to claim 20, wherein the
10 appertaining image block is subdivided into a plurality of appertaining image sub-
blocks.

22. (Amended) An arrangement according to claim 20, wherein the
respective first value and the respective second value and the respective third
value are allocated to each appertaining image sub-block.

15 23. (Amended) An arrangement according to claim 20, wherein the
processor is utilized in an encoding of the image.

24. (Amended) An arrangement according to claim 23, wherein a shape-
adaptive Discrete Cosine Transformation is utilized for the encoding.

25. (Amended) An arrangement according to claim 24, wherein an inverse
20 Triangle-Adaptive Discrete Cosine Transformation is utilized for the encoding.

26. (Amended) An arrangement according to claim 20, wherein the
processor is utilized in the framework of a decoding of the image.

27. (Amended) An arrangement according to claim 26, wherein an inverse shape-adaptive Discrete Cosine Transformation is utilized for the decoding.

28. (Amended) An arrangement according to claim 27, wherein an inverse Triangle-Adaptive Discrete Cosine Transformation is utilized for the decoding.

5 29. A method according to claim 1, further comprising the step of:
assigning column numbers to the columns and row numbers to the rows.

30. A method according to claim 10, further comprising the steps of:
encoding the image sub-blocks upon employment of the first value and the second
value and the third value with a shape-adaptive transformation encoding.

TECHNOLOGY